

State of California
Department of Food and Agriculture
Division of Measurement Standards

Certificate Number: 5089-00
Page 1 of 2

California Type Evaluation Program
Certificate of Approval
for Weighing Devices

For:

Bench and Counter Scale
Digital Electronic
Models: PC-820/21 and TT-830
 n_{\max} : 10 000
Capacities: See Below
Platform Sizes: See Below

Accuracy Class: III

Submitted by:

Weigh-Tronix, Inc.
1000 Armstrong Drive
Fairmont, MN 56031
Tel: (507) 238-4461
Fax: (507) 238-4195
Contact: Joe Stauffer

Standard Features and Options

Semi-automatic (push-button) zero Keyboard tare lb/kg conversion Separate gross/tare/net display Dot matrix LCD with cold cathode fluorescent backlit display Category 1 event counter and physical seal (see Sealing on Page 2) Piece counting on the PC-820/21: "The counting feature is not legal for trade" is labeled adjacent to the display	Automatic zero setting mechanism (AZSM) Semi-automatic (push-button) tare Remote printer capability
--	---

The PC-820/21 and the TT-830 are each available with the following capacities and respective platform sizes

Capacity	5 kg x 0.5 g	20 kg x 2 g	50 kg x 5 g
	10 lb x 0.001 lb	50 lb x 0.005 lb	100 lb x 0.01 lb
Platform	8.5" diameter	12" x 14"	12" x 14"

Load cell: Weigh-Tronix Model MK100 (Certificate of Conformance Number 94-037)

Option: Multiple load receiving element capability on both models

Temperature Range: -10 °C to 40 °C (14 °F to 104 °F)

This device was evaluated under the California Type Evaluation Program (CTEP) and was found to comply with the applicable technical requirements of California Code of Regulations for "Weighing and Measuring Devices." Evaluation results and device characteristics necessary for inspection and use in commerce are on the following pages.

Effective Date: September 27, 2000

Mike Cleary, Director

Weigh-Tronix, Inc.
Bench and Counter Scale
Models: PC-820/21 and TT-830

Application: Bench and counter scale.

Identification: The manufacturer's identification, model number, serial number, and accuracy class are located on a pressure sensitive self-destructive label located on the right side of the scale. The capacity by division size is located adjacent to the weight display.

Sealing: The 50-lb and 100-lb capacity scales use an audit trail event counter and a wire security seal. The wire security seal is located under the platter securing a metal plate which covers the calibration switch. The 10-lb capacity scales use an audit trail and have no physical seal.

To access the event counter information on the PC-820, press the "ESCAPE" key until the unit beeps and the soft keys are labeled on the display. Then press the "AUDIT" soft key. To return to the normal weighing function, press the "ESCAPE" key twice.

To access the event counter information on the TT-830, press the "ESCAPE" key until the unit beeps. Enter the user code (default is 111), press the "VIEW" soft key, and then press the "SEAL" soft key. To return to the normal weighing function, press the "ESCAPE" key and then press the "EXIT" soft key.

NOTE: Although the 10-lb capacity scales have no physical seal, the audit trail information display for all ranges of both models also has an indication which states (physical seal "Enabled" or "Disabled"). This indication changes each time the calibration switch is pressed. When the word "Disabled" is displayed, the configuration and calibration parameters are accessible.

Test Conditions: Two scales were submitted for evaluation (10-lb capacity PC-820/21 and 100-lb capacity TT-830). The emphasis of the evaluation was on the device design, marking, performance, and compliance with influence factor requirements. Several increasing/decreasing load and shift tests were performed. The devices were tested over a temperature range of -10 °C to 40 °C (14 °F to 104 °F). A load of approximately one-half capacity was applied to the scales over 100 000 times with accuracy tests performed at approximately every 25 000 times. Tests were also conducted with line voltages of 100 VAC and 130 VAC on the PC-820/21 and DC voltages of 10.5 VDC and 20 VDC on the TT-830.

Results of the evaluation indicate the devices comply with applicable requirements.

Type Evaluation Criteria Used: Title 4, California Code of Regulations, 2000 Edition.

Tested By: K. Jones (CA)